

MAY 16 2007

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80527-2400

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10015698 -4Inventor(s): **Blaine D Galther**

Confirmation No.: 5774

Application No.: 10/649917

Examiner: Bradley, Matthew A.

Filing Date: **Aug 26, 2003**

Group Art Unit: 2187

Title: **Cache System With Groups Of Lines And With Coherency For Both Single Lines And Groups Of Lines**

Mail Stop Amendment  
Commissioner For Patents  
PO Box 1450  
Alexandria, VA 22313-1450

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Transmitted herewith is/are the following in the above-identified application:

- ☒ Response/Amendment  
☐ New fee as calculated below  
☒ No additional fee  
☐ Other

- ☐ Petition to extend time to respond  
☐ Supplemental Declaration

Fee\$

| CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY                            |   |   |  |  |             |                           |
|---|---|---|--|--|-------------|---------------------------|
| (1)<br>FOR  | (2)<br>CLAIMS REMAINING<br>AFTER AMENDMENT  | (3)<br>NUMBER<br>EXTRA                      | (4)<br>HIGHEST NUMBER<br>PREVIOUSLY PAID FOR | (5)<br>PRESENT<br>EXTRA                      | (6)<br>RATE | (7)<br>ADDITIONAL<br>FEES |
| TOTAL<br>CLAIMS   | 7   | MINUS                                       | 20   | = 0  | X \$50      | \$ 0                      |
| INDEP.<br>CLAIMS  | 5   | MINUS                                       | 7  | = 0  | X \$200     | \$ 0                      |
| <input type="checkbox"/> FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM |   |   |  |  | + \$360     | \$ 0                      |
| EXTENSION<br>FEE  | <input type="checkbox"/> 1st Month<br>\$120 | <input type="checkbox"/> 2nd Month<br>\$450 | <input type="checkbox"/> 3rd Month<br>\$1020 | <input type="checkbox"/> 4th Month<br>\$1590 |             | \$ 0                      |
| OTHER FEES  |   |   |  |  |             | \$                        |
| TOTAL ADDITIONAL FEE FOR THIS AMENDMENT                                   |   |   |  |  |             | \$ 0                      |

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees.

- ☒ A duplicate copy of this transmittal letter is enclosed.

I hereby certify that this paper is being  
transmitted to the Patent and Trademark Office  
facsimile number (571) 273-8300.

Date of facsimile: 5-16-2007Typed Name: **Cathi Christensen**Signature: Cathi Christensen

Respectfully submitted,

Blaine D Galther

By A. W. Winfield

Augustus W Winfield

Attorney/Agent for Applicant(s)

Reg No.: 34,046

Date: MAY 16, 2007

Telephone: 970 898 3142

MAY 16 2007

PATENT APPLICATION

HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P.O. Box 272400  
Fort Collins, Colorado 80627-2400

Inventor(s): Blaine D Gaither

Application No.: 10/649917

Filing Date: Aug 26, 2003

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COPY

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By *A. W. Winfield*

Augustus W Winfield

Attorney/Agent for Applicant(s)

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Rev 02/07 (TransAmiFax)

MAY 16 2007

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Intellectual Property Administration  
P.O. Box 272400  
Mail Stop 35  
Fort Collins, Colorado 80527-2400

## PATENT APPLICATION

ATTORNEY DOCKET NO. 10015698-4

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Blaine D. Gaither

Serial No.: 10/649,917

Examiner: Bradley, Matthew A.

Filing Date: 08/26/2003

Group Art Unit: 2187

Title: CACHE SYSTEM WITH GROUPS OF LINES AND WITH COHERENCY FOR BOTH  
SINGLE LINES AND GROUPS OF LINES

REMARKS IN RESPONSE TO OFFICE ACTION

COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria VA 22313-1450

Sir:

No amendments have been made. Claims 1, 3-4 and 7-10 remain in the application. Claims 4 and 8-10 have been allowed or declared allowable. Reexamination and reconsideration is respectfully requested.

In the paper mailed 05/04/2007, claims 1 and 3 were rejected under 35 USC § 112 as indefinite. Specifically, claim 1 specifies a system for maintaining identity of which device, if any, owns the group of lines, and which device, if any, owns each individual line within the group of lines. Dependent claim 3 specifies at least two lines in the group of lines having separate owners. The examiner argues that if an entire group of lines is owned by a device (a condition permitted by claim 1), then two lines in the group of lines cannot have separate owners. The examiner is correct for the particular condition in which an entire group of lines is owned by a device, but claim 1 also permits the condition in which there is no one owner (which the examiner expressly acknowledges in the examiner's arguments for anticipation in light of The Cache Memory Book). That is, claim 1 says "if any". More specifically, claim 1 specifies a system for maintaining some data, and the data